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#8



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RAW SEQUENCE LISTING

DATE: 03/18/2002

PATENT APPLICATION: US/09/814,661A

TIME: 15:24:50

Input Set : A:\EP.txt

Output Set: N:\CRF3\03182002\I814661A.raw

3 <110> APPLICANT: Rothstein, Rodney
 4 Zhao, Xiaolan
 6 <120> TITLE OF INVENTION: A SMALL PROTEIN THAT INTERACTS WITH A RIBONUCLEOTIDE
 REDUCTASE SUBUNIT

7 AND USES THEREOF

9 <130> FILE REFERENCE: 0575/56615-A-PCT-US

11 <140> CURRENT APPLICATION NUMBER: 09/814,661A

12 <141> CURRENT FILING DATE: 2001-03-22

14 <160> NUMBER OF SEQ ID NOS: 27

16 <170> SOFTWARE: PatentIn version 3.1

18 <210> SEQ ID NO: 1

19 <211> LENGTH: 1158

20 <212> TYPE: DNA

21 <213> ORGANISM: S. Cerevisiae

23 <400> SEQUENCE: 1

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24 aatgagcaac cgtgtcaaca agagtgtcaa gaccggctac ttattcccca aggatcacgt      60
26 tcctttctgcc aacatcattg ccgtcgaacg tcgcggcggt ctttctgaca ttggttaagaa    120
28 tactttccaac taagagcatg cttctctttt tttttgtagg ccaatgatag gaaagaacaa    180
30 tagattataa atacgtcaga atatagtaga tatgttttta tgttttagacc tcgtacatag    240
32 gaataattga cgtttttttt tggccaacat ttgaaatttt tttttgttac ctgcgcgtga    300
34 gcccaaacgg gctccactac ccgcgcgggt cgccattttg ggaagtcac cgtcccaaaa    360
36 aggaaatagc cataacatat cgttactgtt ttggaacatc gcccgtttcg cccgattccg    420
38 cctcagcggg tataaaaaga gatctttttt ttctctggct gtcccttcca tttttaaatg    480
40 tcttatctgc tcctttgtga tcttacggtc tactaacct ctcttcaact gctcaataat    540
42 ttcccgtat gcaaaattcc caagactact ttacgctca aaatcgctgc caacaacaac    600
44 aagccccttc cacattgcgt accgtgacca tggcggaatt tagaagggtg cctttgccac    660
46 ctatggctga ggttcctatg ttgtctactc aaaactccat gggcagctcc gcttctgcct    720
48 ccgcttcttc attagaaatg tgggaaaagg atttgaggga gagactcaac tctatcgatc    780
50 atgacatgaa caacaacaaa tttggttctg gcgaactaaa atctatgttc aaccagggtg    840
52 aggtcgagga aatggacttc taaagtccct ttcatactct tttcttttct ctttccattt    900
54 cccactagtt ctgttctttt cttctcttag atacccttct tttcaggggac tctcgtccta    960
56 ctattgttgt cattctcgaa acattctctc ccgtgcattt tcctttccct ttatatacat   1020
58 atatatatat atatatatat atgtctcttc tacgtatttt tgtattttctg tgtctttatc   1080
60 aaagatagtc tataatacgt ttgatacagc tagatatcgc tagcgccaac attgtccccc   1140
62 tctcttgatc aatgcttt                                     1158

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65 <210> SEQ ID NO: 2

66 <211> LENGTH: 104

67 <212> TYPE: PRT

68 <213> ORGANISM: S. Cerevisiae

70 <400> SEQUENCE: 2

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72 Met Gln Asn Ser Gln Asp Tyr Phe Tyr Ala Gln Asn Arg Cys Gln Gln
73 1          5          10          15
76 Gln Gln Ala Pro Ser Thr Leu Arg Thr Val Thr Met Ala Glu Phe Arg
77          20          25          30

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80 Arg Val Pro Leu Pro Pro Met Ala Glu Val Pro Met Leu Ser Thr Gln
81      35      40      45
84 Asn Ser Met Gly Ser Ser Ala Ser Ala Ser Ser Leu Glu Met
85      50      55      60
88 Trp Glu Lys Asp Leu Glu Glu Arg Leu Asn Ser Ile Asp His Asp Met
89 65      70      75      80
92 Asn Asn Asn Lys Phe Gly Ser Gly Glu Leu Lys Ser Met Phe Asn Gln
93      85      90      95
96 Gly Lys Val Glu Glu Met Asp Phe
97      100
100 <210> SEQ ID NO: 3
101 <211> LENGTH: 19
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
108 <400> SEQUENCE: 3
109 cttccaacta agagcatgc 19
112 <210> SEQ ID NO: 4
113 <211> LENGTH: 18
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
120 <400> SEQUENCE: 4
121 gcgatatcta gctgtatc 18
124 <210> SEQ ID NO: 5
125 <211> LENGTH: 65
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
132 <400> SEQUENCE: 5
133 cttacggtct cactaacctc tcttcaactg ctcaataatt tcccgggatac cgctgcacgg 60
135 tcctg 65
138 <210> SEQ ID NO: 6
139 <211> LENGTH: 65
140 <212> TYPE: DNA
141 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
146 <400> SEQUENCE: 6
147 gtatgaaagg aactttagaa gtccatttcc tcgaccttac cctggggcctc gttcagaatg 60
149 acacg 65
152 <210> SEQ ID NO: 7
153 <211> LENGTH: 65
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:

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158 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
160 <400> SEQUENCE: 7
161 agtaaagggg cttaacatac agtaaaaaag gcaattatag tgaagagtca cgacgttgta      60
163 aaacg                                                                    65
166 <210> SEQ ID NO: 8
167 <211> LENGTH: 65
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
174 <400> SEQUENCE: 8
175 aaaatccaga ttcaaacaat gtttttgaaa taatgcttct catgtaggaa acagctatga      60
177 ccatg                                                                    65
180 <210> SEQ ID NO: 9
181 <211> LENGTH: 68
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
188 <400> SEQUENCE: 9
189 acgactcaact atagggcgaa ttgggtaccg ggccccccct cgaggtcgac ggccctttcg      60
191 ttttcaag                                                                    68
194 <210> SEQ ID NO: 10
195 <211> LENGTH: 69
196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
202 <400> SEQUENCE: 10
203 tcttttattg ccaatatcaa ttcgtaaga tatttgacgt gtgattccat ggatccgggg      60
205 ttttttctc                                                                    69
208 <210> SEQ ID NO: 11
209 <211> LENGTH: 31
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
216 <400> SEQUENCE: 11
217 ggggatccgg atgcaaaatt cccaagacta c                                      31
220 <210> SEQ ID NO: 12
221 <211> LENGTH: 28
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
228 <400> SEQUENCE: 12
229 ggggatccaa gggaaaggaa aatgcacg                                         28
232 <210> SEQ ID NO: 13
233 <211> LENGTH: 28

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234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial Sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
240 <400> SEQUENCE: 13
241 aactgcagaa gggaaaggaa aatgcacg 28
244 <210> SEQ ID NO: 14
245 <211> LENGTH: 31
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
252 <400> SEQUENCE: 14
253 ggggatcctc atgtacgttt ataaaagaga c 31
256 <210> SEQ ID NO: 15
257 <211> LENGTH: 28
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
264 <400> SEQUENCE: 15
265 aactgcagtt agcttggcat tagaatgg 28
268 <210> SEQ ID NO: 16
269 <211> LENGTH: 28
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
276 <400> SEQUENCE: 16
277 aactgcagtt ttccgatgcc ctttccac 28
280 <210> SEQ ID NO: 17
281 <211> LENGTH: 28
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
288 <400> SEQUENCE: 17
289 ggggatcctt accatgccta aagagacc 28
292 <210> SEQ ID NO: 18
293 <211> LENGTH: 29
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
300 <400> SEQUENCE: 18
301 ggggatccat gtacgtttat aaaagagac 29
304 <210> SEQ ID NO: 19
305 <211> LENGTH: 29
306 <212> TYPE: DNA

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307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
312 <400> SEQUENCE: 19
313 gcgtgtcgac ggccttctta caaggacag                29
316 <210> SEQ ID NO: 20
317 <211> LENGTH: 27
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
324 <400> SEQUENCE: 20
325 ggggatccta tgcaaaattc ccaagac                27
328 <210> SEQ ID NO: 21
329 <211> LENGTH: 29
330 <212> TYPE: DNA
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
334 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
336 <400> SEQUENCE: 21
337 ggggaattcat gcgcatcttt tacccatac                29
340 <210> SEQ ID NO: 22
341 <211> LENGTH: 26
342 <212> TYPE: DNA
343 <213> ORGANISM: Artificial Sequence
345 <220> FEATURE:
346 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
348 <400> SEQUENCE: 22
349 ggggaattcgc actgagcagc gtaatc                26
352 <210> SEQ ID NO: 23
353 <211> LENGTH: 27
354 <212> TYPE: DNA
355 <213> ORGANISM: Artificial Sequence
357 <220> FEATURE:
358 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR Oligonucleotide
360 <400> SEQUENCE: 23
361 caataatttc cccatatgca aaattcc                27
364 <210> SEQ ID NO: 24
365 <211> LENGTH: 30
366 <212> TYPE: DNA
367 <213> ORGANISM: Artificial Sequence
369 <220> FEATURE:
370 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR Oligonucleotide
372 <400> SEQUENCE: 24
373 aaaggatcct tagaagtcca tttcctcgac                30
376 <210> SEQ ID NO: 25
377 <211> LENGTH: 9
378 <212> TYPE: PRT
379 <213> ORGANISM: Peptide

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VERIFICATION SUMMARY

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